energenie

GREEN ENERGY FOR OUR PLANET

EG-PMSU
ENERGENIE PROGRAMMABLE POWER STRIP

USER MANUAL
HANDBUCH
HANDLEIDING
MANUEL DESCRIPTIF
РУКОВОДСТВО ПОЛЬЗОВАТЕЛЯ
КЕРІВНИЦТВО КОРИСТУВАЧА

PROGRAMMABLE POWER STRIP
PROGRAMMIERBARE USB STECKDOSENLEISTE
PROGRAMMEERBARE STEKKERDOOS
STRIP DE PUISSANCE PROGRAMMABLE
ПРОГРАММИРУЕМЫЙ ФИЛЬТР ПИТАНИЯ
ПРОГРАМОВАНИЙ ФІЛЬТР ЖИВЛЕННЯ

- **Do not plug several sockets in line**
- **Do not use if covered**
- **De-energized only if power plug is unplugged**
- **NEVER connect appliances which does not allow unattained operation !**

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1. Introduction

Congratulations with your purchase of this *Energenie Power Manager*. Your EG-PMSU is an advanced surge protector with power management features. Four sockets are individually manageable by the computer via USB interface.

The sockets can be switched on/off by a timer schedule, by user or different events. It is also possible to pre-program the unit event timer schedule (hardware schedule) and then disconnect EG-PMSU from the managing computer. The device can be used as an advanced standby-killer.

1.1. Features

- The main rocker switch enables switching all the sockets on and off
- In addition to it every manageable socket can be switched on and off via the software control window
- The unit can be pre-programmed via hardware-based schedule. The hardware schedule will work even when the managing computer is switched off
- The unit will keep performing the programmed hardware time schedule even after EG-PMSU is disconnected from the power for some time

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- The manageable sockets can then be switched on and off by the schedule, simple typical applications could be: “switch my peripherals on every working day at 8:50 AM” etc.
- The manageable sockets can also be programmed with *Power Manager* software to react whenever a certain event occurs (Windows or other programs start-up/shutdown), simple typical applications could be: “switch my scanner on when I want to scan” or “switch my printer off whenever I exit Windows”

1.2. Specifications

- Input voltage: 120 VAC, 60 Hz
- Maximum load current: 15 A
- Maximum current consumed from the computer USB port: 350 mA
- Power cord: 1.2 m AWG14
- Maximum quantity of EG-PMSU connected to one computer at the same time: no restrictions (only restricted by the maximum allowed quantity of the USB devices)
- Plug and Play
- Hardware schedule restrictions:
- Maximum number of independent hardware schedules: 16 pcs
- Time interval between the events: from 1 minute to 180 days
- Timer accuracy: not more than 3 seconds error per day

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- Working temperature range: from +10 to +40 degrees Celsius
- Dimensions: 420 x 60 x 52 mm
- Net weight: 0.7 kg

1.3. Hardware requirements

- Computer running Windows® 2000/XP/Vista/7/8 is required for using the *Power Manager* software
- One free USB port

1.4. Package contents

The package contains:

- EG-PMSU
- User manual
- USB cable
- CD with *Power Manager* software for Windows

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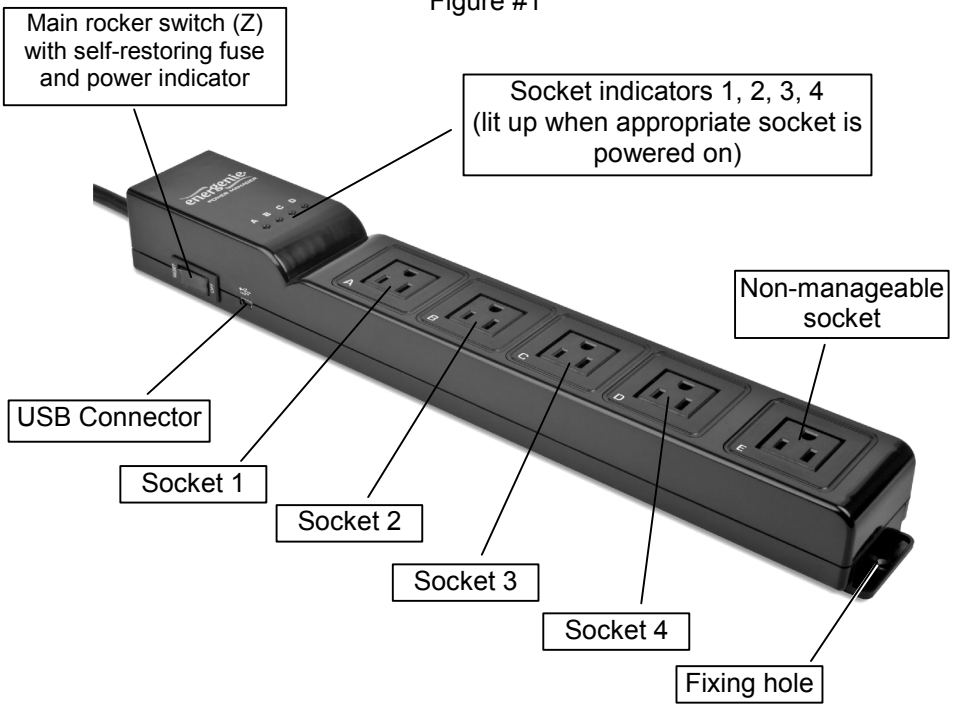
2. Indicators and controls of EG-PMSU

Figure #1


Main rocker switch (Z) with self-restoring fuse and power indicator
Socket indicators 1, 2, 3, 4 (lit up when appropriate socket is powered on)
Non-manageable socket
USB Connector
Socket 1
Socket 2
Socket 3
Socket 4
Fixing hole

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2.1. Indicators

- *Main rocker switch* Z with built in self recovering fuse (see Figure #1 above) is lit – this means that EG-PMSU is connected to the power supply and active.
- The indicator *Socket 1 (2,3,4)* (see Figure #1 above) is lit – this means that this particular socket is switched on.

3. Installation

- It is strongly recommended to avoid damp or wet places for installation.
- EG-PMSU should be connected to the appropriate AC wall outlet.
- Do not plug several sockets in line
- Do not use if covered
- De-energized only if power plug is unplugged.
- NEVER connect appliances which does not allow unattained operation !

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3.1. Getting started

- Connect EG-PMSU to the wall outlet first and then to the USB socket of the manageable computer.
- EG-PMSU can now be switched on and off by means of the *Main rocker switch (Z)*.
- The last socket of EG-PMSU is switched on and off by means of the *Main rocker switch (Z)* and cannot be managed by the computer – so it's called *non-manageable socket* in this manual.
- The sockets: *Socket 1, Socket 2, Socket 3 and Socket 4* can be managed or pre-programmed by computer via USB. They are called *manageable sockets* in this manual.
- The manageable sockets of EG-PMSU can be programmed to be on or off. The current status of each manageable socket is represented by the corresponding indicator which will be lit if the socket has power to it.
- If the *Main rocker switch (Z)* (see figure #1 above) is turned off then the manageable sockets cannot be switched on by either *Power manager* software or the hardware schedule.
- As soon as you turn the *Main rocker switch (Z)* on then the *Power manager* software or the hardware schedule will be able to turn the manageable sockets on and off.
- To protect the connected devices from possible high current and short circuit EG-PMSU is equipped with the automatic circuit breaker.

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NOTE: If the total power consumption (or peak power) of the devices, connected to EG-PMSU exceeds 1800 Watts, the circuit breaker may power EG-PMSU off. In this case, please, remove the excessive load first and then (after 2-3 minutes) press the main rocker switch (Z) to restore the power supply.

3.2. *Power Manager* installation

- Insert the *Power Manager* CD into a PC CD-ROM drive.

If for any reason the automatic setup does not work, then open CD-ROM drive in the *My Computer* window and launch SETUP.EXE from the CD

- Follow instructions of the installation software

4. Power Manager software

The *Power Manager* software is designed to support not only EG-PMSU but also other energy management products of the EnerGenie family. After a successful installation a socket icon will appear in your system tray.

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4.1. Managing EG-PMSU

Double click on the socket icon in the system tray or select Open from the popup menu, you will get the windows with device list (see Figure #2 below).

Figure #2

Push the *Device settings* button (bottom right here) to set the device-specific options (see Figure #3 below)

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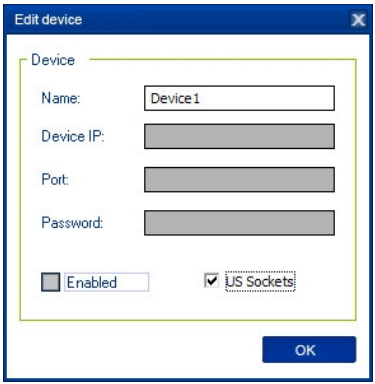
Figure #3



Double click on the device and you will get the window of the main control panel shown on the Figure #4 below.

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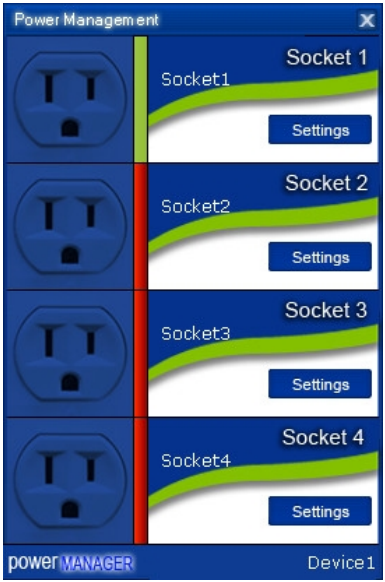
Figure #4



Double click on each socket will switch it on or off (green color means the socket is switched on; red color means the socket is switched

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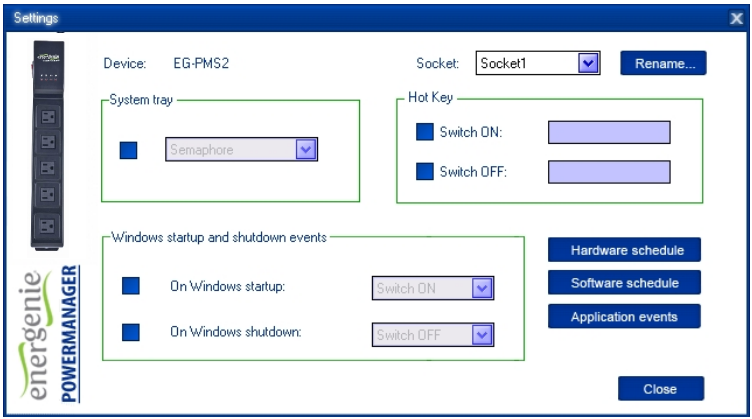
off). Click the *Settings button* for each socket to access the *Settings dialog box* (see Figure #5 below).

Figure #5



You can choose a different device and another socket from the *Device* and *Socket* drop down list-boxes.

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- It is possible to give a name to the device and socket (for example *Printer* or *Scanner*) using the *Rename* button
- Check the *System tray* checkbox if you want to put the icon of the socket into the system tray. You can choose the icon from drop down list box. Such icon is a fast way to switch the device connected to the socket on/off or check the device status
- You can also assign a hot key to switch the socket on/off. Check the *Switch ON* and *Switch OFF* checkboxes and specify the hot keys
- To switch the socket on/off on Windows startup (wake up), check the *On Windows startup* checkbox and choose the required action
- To switch the socket on/off on the Windows shutdown (sleep), check the *On Windows shutdown* checkbox and choose the required action.

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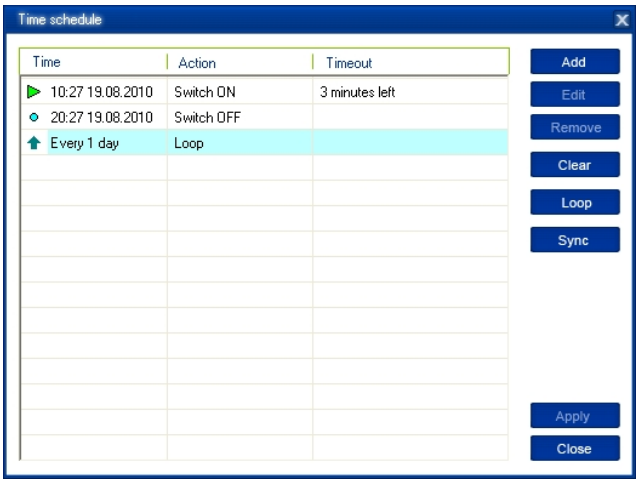
4.2. Setting up the hardware schedule

Using the *Hardware schedule* button available from the *Settings* window you can create the hardware timer schedule (see Figure #6 below). To add a new record, click the *Add* button.

Figure #6



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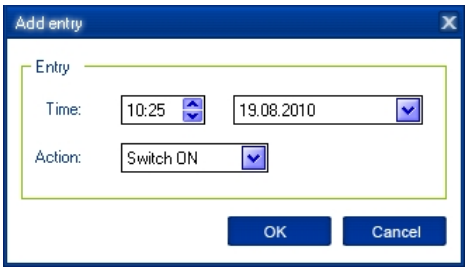
- The window *Add entry* will appear (see Figure #7 below). In the dialog box, specify the required time and the action

Figure #7



- To edit the record, select it and click the *Edit* button or just double click on the entry. The window Edit entry will appear (see Figure #8 below)

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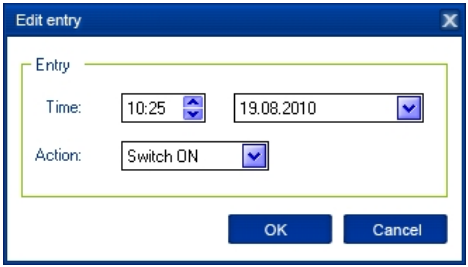
Figure #8



- To remove the record, select it and click the *Remove* button (see Figure #6 above). You can select multiple entries using *Ctrl* and *Shift* keys. You can also remove all entries from the schedule by clicking the *Clear* button (see Figure #6 above)
- To repeat your event (for example if you want to perform the same events every day) use the *Loop* button (see Figure #6 above) and specify the loop time period in the *Edit loop period* window (see Figure #9 below)

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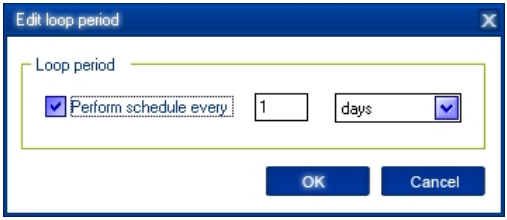
Figure #9



- After the schedule record has been created, click the *Apply* button (see Figure #6 above) to save the hardware timer schedule changes. In case of incorrect entries, these will be highlighted and an error message will appear. Click the *Apply* button again after correcting all the errors
- Use *Sync* button (see Figure #6 above) to synchronize device timer with PC clock. Note that after synchronization past entries will be removed from the schedule

HINT: Use the popup menu (see Figure #6 above) which can be activated by the right mouse button click over the table.

The following are the rules for creating a correct schedule:

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- The new event time should be in the future
- There can not be a duplicate entry
- The total quantity of events can not exceed 16 per socket
- The total quantity of events also depends on the total execution period of the schedule
- The interval between the present and the last entry can not exceed 180 days
- Without loop the total execution period of the schedule can not exceed 215 days
- Loop period can not exceed 180 days

NOTE: If the device is powered off the hardware schedule is still in the device memory and will be resumed when the power supply is restored. However the whole schedule will be then delayed with the power cutoff time. You can adjust the schedule eliminating the delay. Alternatively create and upload a new schedule using the '**Timer schedule**' dialog box.

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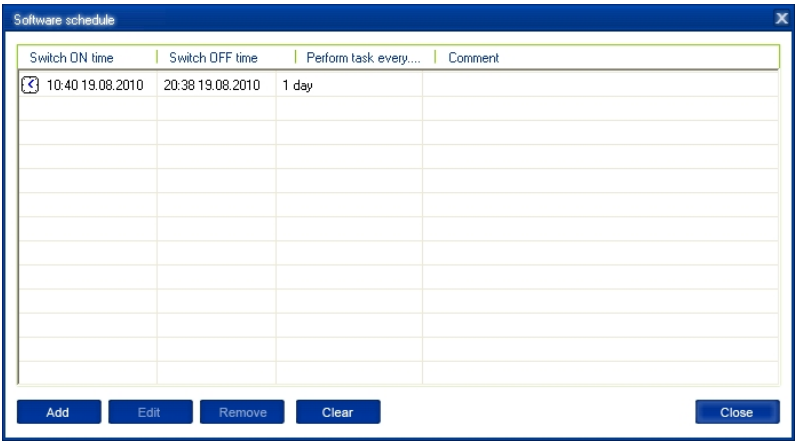
4.3. Setting up the software schedule

Using the *Software schedule* button available from the Settings window you can create the software timer schedule (see Figure #10 below).

NOTE: the software timer schedule will only be executed if the managing computer is on and the Power Manager is launched.

Figure #10



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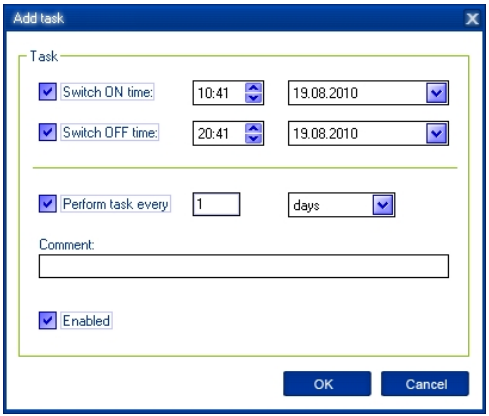
- To add a new task, click the *Add* button. The *Add task* window will appear (see Figure #11 below)

Figure #11



In the *Add task* window, check *Switch ON time* and/or *Switch OFF time* checkboxes and specify the time to switch the socked on and/or off. If you want the same event to be performed periodically, check *Perform task every* checkbox and specify the time interval. You can also add remarks about the task in the *Comment* field. To disable the task,

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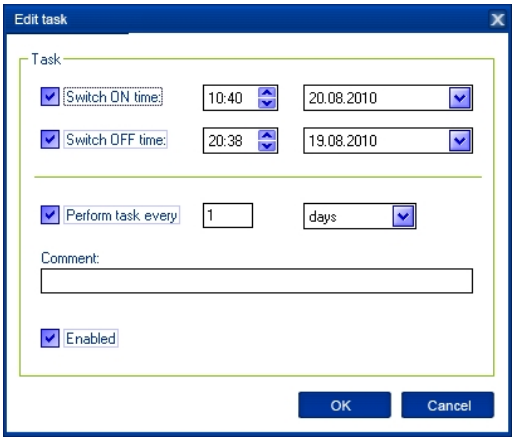
uncheck the *Enabled* checkbox and to enable the task again, re-check the checkbox.

- To edit the task, select it (see Figure #10 above) and click the *Edit* button or just double click on the task. The *Edit task* window will appear (see Figure #12 below)

Figure #12



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- To remove the task select it and click the *Remove* button (see Figure #9 above). You may select multiple tasks using *Ctrl* and *Shift* keys. You can also remove all tasks by clicking the *Clear* button

HINT: Use the popup menu which can be activated by the right mouse button click over the table (see Figure #10 above).

4.4. Setting up application events

Using the *Application events* window you can specify the socket events when a certain application is launched or closed down. You can also associate switching the sockets off or on with placement and removal of particular files in certain folders.

To use this feature push *Application events* button available from the Settings window (see section 4.1 above – Figure #5). You will get the following window (see Figure #13 below).

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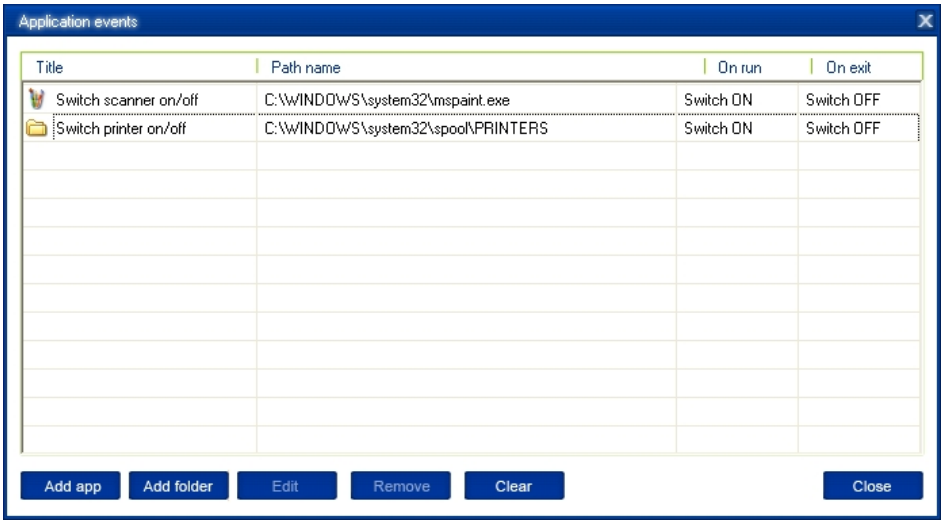
Figure #13



- To add a new program event, click the *Add app* button. The *Add program event* dialog will appear (see Figure #14 below)

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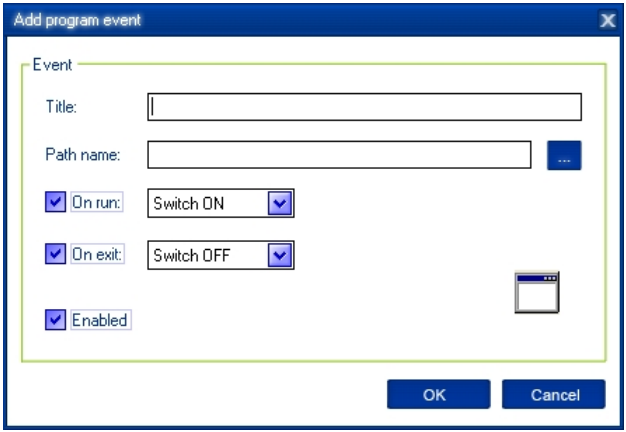
Figure #14



Specify the application title and path to it using the *Browse (…)* button or typing it manually in the *Title* and *Path name* fields. If you use the *Browse (…)* button you can also select a shortcut to the application. In this case the application title and path name will be taken automatically via the shortcut if possible. After you have specified the application, check *On run* and/or *On exit* and choose the event (switch on or off).

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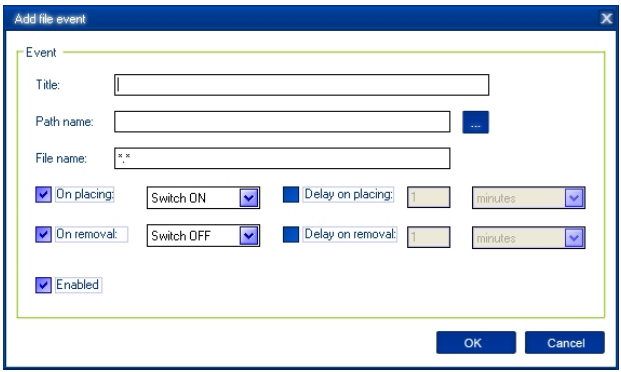
NOTE: The *On run* event will take place when the first window of the selected application is opened. The *On exit* event will take place when the last window of the application is closed.

HINT: Your device is an advanced standby-killer. Using this feature you can for example switch your scanner on/off whenever Photoshop is started/closed.

- To add a new file event, click the *Add folder* button (see Figure #13 above). The *Add file event* window will appear (see Figure #15 below)

Figure #15



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Specify the path to the folder you would like to monitor using the *Browse (…)* button or typing it manually in the *Path name* field. Specify the *File name* mask using wildcard characters: *, ?. Check then *On placing* and/or *On removal* checkboxes and select the event and delay.

NOTE: The *On placing* event will take place when the first file matching the specified file name mask is placed into the specified folder. The *On removal* event will take place when the last file matching the specified file name mask is removed from the specified folder.

HINT: Your device is an advanced standby-killer. Use the *Add folder* button to assign *c:\\system32\\spool\\printers* folder to switch your printer on whenever you start printing and to switch it off again whenever you are ready with printing.

HINT: If you have several printers connected to the same computer, we suggest moving default spool directory of each printer to a separate location.

- To edit the event, select it and click the *Edit* button, or just double click on the event (see Figure #13 above). The *Edit file event* window will appear (see Figure #16 below)

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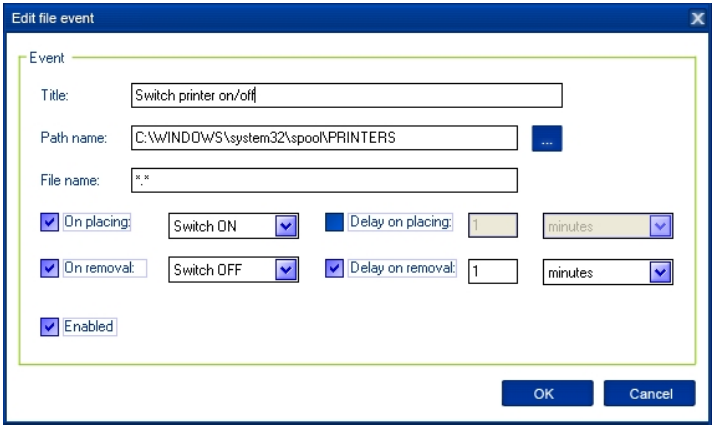
Figure #16



- To remove the event, select it and click the *Remove* button (see Figure #13 above). You can select multiple events using *Ctrl* and *Shift* keys. You can also remove all events by clicking the *Clear* button

HINT: Use the popup menu which can be activated by the right mouse button click over the table.

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5. Managing EG-PMSU via your own software

To let you switch the sockets from your own applications the following command line interface syntax is supported:

- pm.exe -[on | off] -device name -socket name
  Examples:
- "C:\Program Files\Energenie\Power Manager\pm.exe" -on -EG-PM -Socket1
- "E:\Utils\PM3\pm.exe" -off -My EG-PM -Table lamp

- Execute pm.exe with -info key (*pm.exe –info*) to get the complete information about the status of the current devices.

For each of the connected devices the following information will then be provided and placed into *Info.ini* file in the *Power Manager* folder:

- DeviceName - the user specified device name
- Socket#name, where # is replaced by a certain socket number - the user specified socket name
- Socket#SwitchState, where # is replaced by a certain socket number - TRUE, when the socket is switched on, FALSE, when the socket is switched off

NOTE: Each use of this command line option totally overrides the data in Info.ini file.

NOTE: *Power Manager* should be active.

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6. Troubleshooting

Problem	Solution
The rocker switch turns off.	The load connected to the device is too high, some of the devices connected to the EG-PMSU should be disconnected before the rocker switch can be turned on.
The switching command is not carried out and indicators are not lit.	There is no power supply to the EG-PMSU. Please, make sure the EG-PMSU is connected to the power supply and the rocker switch is switched on.
Software reports "Device I/O request error" after switching	Check the grounding of EG-PMSU. If inductive load, like florescent lamps or motors are connected to EG-PMSU, it is recommended to use an extra USB hub to connect EG-PMSU to the managing computer.
Timer schedule is delayed	Do not power EG-PMSU off when the hardware timer schedule is active. Press the Sync button for timer synchronization.

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Declaration of Conformity

We,	**Gembird Europe BV** **Wittevrouwen 56, 1358CD, Almere, The Netherlands** **Tel: +31-(0)36-5211588. Fax: +31-(0)36-5347835**

declare under our own responsibility that the product :

Model :	**EG-PMSU**
Product description:	**EnerGenie Programmable Power Strip, US plug and sockets**

to which this declaration refers conforms with the relevant standards :
European directive(s):

LVD(2006/95/EC), EMC(2004/108/EC)

European standards:

LVD: EN 60950-1:2006+A11:2009+ A1:2010+AC:2011+A12:2011

EMC: EN 55022:2010
EN 55024:2010
EN 61000-3-2:2006 +A1:2009 +A2:2009
EN 61000-3-3:2008

Product manager

The Netherlands / Sep. 27, 2011
Place and Date

Erik de Boevere

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Richtlijnen m.b.t. afvalverwerking Batterijen en accu's dienen als klein-chemisch afval afgeleverd te worden bij toegewezen afvalverzamelpunten (zie www.afvalgids.nl). U dient ervoor te zorgen dat de batterijen/accu's leeg zijn en dus geen stroom meer kunnen leveren. Let op, de batterijen/accu's dienen onbeschadigd ingeleverd te worden. Gooi dit product niet weg in uw vuilnisbak. Dit kan zowel het milieu als de menselijke gezondheid schade toebrengen. Informatie over het inleveren van dit product kunt u inwinnen bij uw gemeentelijke vuilnisdienst of andere geautoriseerde instelling in uw buurt.	**Traitement des déchets:** Ne jetez pas cet appareil dans les déchets domestiques. Un traitement inapproprié peut être dommageable à l'environnement et à la santé humain. Vous trouvez des informations sur les centres de rassemblement des appareils vieux chez l'administration municipale ou chez un centre autorisé pour le traitement des appareils électriques ou électroniques.

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GARANTIE VOORWAARDEN	CONDITIONS DE GARANTIE
Op de aankoopbon moeten de aankoopdatum en productomschrijving duidelijk vermeld staan. Gelieve de aankoopbon de gehele garantieperiode te bewaren, deze is ten alle tijden benodigd voor alle garantie aanspraken. Tijdens de garantieperiode zullen alle gebreken verholpen of vervangen worden door de fabrikant d.m.v. reparatie, omruiling van het defecte onderdeel of het gehele apparaat. Aanspraken tijdens de garantieperiode leiden niet tot verlenging hiervan. Garantieaanspraak vervalt bij schade of gebreken die ontstaan zijn door oneigenlijk gebruik, misbruik of invloeden van buitenaf (vallen, stoten, water, stof, vuil of breken). Slijtagegevoelige onderdelen (b.v. batterijen) zijn uitgesloten van garantie. Bij ontvangst van de RMA goederen behoudt Gembird zich het recht om te kiezen tussen vervanging van de defecte waren of het uitgeven van een kreditnota. Het bedrag van de kreditnota zal altijd gecalculeerd zijn op basis van de huidige marktprijs voor het defecte produkt.	Le talon de garantie doit énumérer clairement la date d'achat et le type d'appareil. Conservez le reçu d'achat pendant toute la durée de la garantie car elle est nécessaire pour toute réclamation. Au cours de la période de garantie tous les défauts doivent être remplacé aux frais du fabricant, soit par la réparation ou la remplacement de la pièce défectueuse ou l'ensemble du produit. Les travaux effectués sous garantie ne prolongent pas la période de garantie ni ne commencent pas une nouvelle période de garantie. Le fabricant se réserve le droit d'annuler toute demande de garantie pour les dommages ou défauts dus à une mauvaise utilisation, abus ou les effets externes (chute, choc, pénétration de l'eau, la poussière, etc..). Les pièces d'usure (par exemple les piles rechargeables) sont exclus de la garantie. Dès réception de la marchandise sous garantie, le SAV de Gembird Europe BV se réserve le droit de choisir entre le remplacement des produits défectueux ou de délivrer un avoir. Le montant d'avoir sera toujours calculée sur la base de la valeur actuelle du marché des produits défectueux.
Gembird Europe B.V. Wittevrouwen 56, 1358CD Almere The Netherlands www.gembird.nl/support support@gmb.nl Tel. +31-36-5211588 € 0,15 p/m binnen Nederland Exclusief mobiele telefoonkosten	Gembird Europe B.V. Wittevrouwen 56 1358CD Almere, The Netherlands www.gembird.nl/support support@gmb.nl +33(0) 251 404849 Prix d'appel depuis telephone fixe Pays-Bas : 0.15 euro / min Prix d'appel depuis telephone mobile / autre pays - selon operateur

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ГАРАНТИЙНЫЙ ТАЛОН

1. Гарантийное обслуживание предоставляется в течение срока гарантии, при наличии правильно и четко заполненного гарантийного талона, и изделия в полной комплектации. Серийный номер и модель изделия должны соответствовать указанным в гарантийном талоне.
2. Гарантийное обслуживание представляет собой бесплатное устранение всех неполадок (ремонт), или замену изделия на новое (аналогичное).
3. Гарантия не распространяется на неисправности, вызванные следующими причинами:
• использование изделия не по назначению.
• нарушение условий эксплуатации, хранения или перевозки изделия, которые указаны в настоящей инструкции.
• подключение нестандартных или неисправных периферийных устройств, аксессуаров.
• механические повреждения, попадание внутрь изделия посторонних предметов, веществ, жидкостей, насекомых.
• ремонт изделия не уполномоченными на то лицами.
4. Комплектность и внешний вид изделия проверяются Покупателем при получении товара в присутствии персонала фирмы.
Послепродажные претензии по укомплектованности и внешнему виду не принимаются.

Наименование изделия: _____

Модель _____

Серийный номер _____

Срок гарантии _____

Дата продажи «____» _____ 20____ года

Фирма-продавец: _____
Адрес и телефон фирмы-продавца:
_____
М.П. С условиями гарантии ознакомлен и согласен:

Продавец: _____ Покупатель: _____

УМОВИ ГАРАНТІЙНОГО ОБСЛУГОВУВАННЯ

1. Гарантійне обслуговування надається протягом терміну гарантії, при наявності Гарантійного талону, заповненого належним чином, та виробу в повній комплектації.
2. Гарантійне обслуговування не підтримується в разі порушення правил експлуатації, зберігання або перевезення виробу, що зазначені в інструкції по експлуатації виробу.
3. Гарантійне обслуговування скасовується у випадках:
- наявності механічних пошкоджень або слідів стороннього втручання;
- пошкодження викликані стихійним лихом або нещасним випадком, включаючи й блискавку, потраплянням у виріб сторонніх предметів, рідин, комах, тощо;
- пошкодження викликані застосуванням або підключенням нестандартних або несправних периферійних пристроїв, аксесуарів;
4. Гарантія не поширюється на витратні матеріали та додаткові аксесуари;
З гарантійними умовами згоден.

Підпис покупця: _____

ГАРАНТІЙНИЙ ТАЛОН № _____

Товар/модель _____

Серійний номер _____

Термін гарантії _____

Дата продажу _____

Продавець (назва, телефон)

_____

Печатка та підпис продавця

_____

З гарантійних питань звертайтесь до сервісних центрів Gembird. Про адреси та контакти Ви можете дізнатись на сайті www.gembird.ua або по телефону 044-4510213.

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